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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,739	12/19/2001	Bartholomeus Johannes Van Rijnsoever	NL000748	4464

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PHILIPS INTELLECTUAL PROPERTY & STANDARDS
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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT PAPER NUMBER

2132

DATE MAILED: 12/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/024,739

Applicant(s)

VAN RIJNSOEVER ET AL.

Examiner

Venkatanarayanan Perungavoor

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12/8/2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Arguments

1. The Applicant has not presented any arguments with regard to the amendment to the title. And it is understood by the Examiner, that the new suggested title has been accepted.
2. The Applicant's arguments regarding the addition of specification headings are not persuasive. The Examiner recommends, the Applicant add the specification headings, and further the Examiner recommends the Applicant see MPEP § 601[R-3], I for the basis for the amendment.
3. The Applicant's amendment of the Abstract obviates the objection to the specification and it has been withdrawn.
4. The Applicant's amendment to the drawings obviated the objection to the drawings and it has been withdrawn.
5. Applicant's arguments, see pages 8-12, filed 12/8/2005, with respect to the rejection(s) of claim(s) 1-3, 7-8 under 35 USC § 102(b) have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of U.S. Patent 5, 712, 800 to Aucsmith.

6. The indicated allowability of claim 4 is withdrawn in view of the newly discovered reference(s) to U.S. Patent 5, 712, 800 to Aucsmith rejections based on the newly cited reference(s) follow.

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.
8. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 5,712, 800 to Aucsmith in view of U.S. Patent 6,026,165 to Marino et al.(hereinafter Marino).
9. Regarding Claim 1, Aucsmith discloses the transmission system for providing conditional access coupled via network including an transmitter transmitting to all receivers same data encrypted under control of same key see Fig. 3 item G & Col 6 Ln 55-Col 7 Ln 14 and . And further Aucsmith discloses the receivers receiving the key block and encrypted data see Col 9 Ln 35-62. Aucsmith also discloses the first and second decryptor for decrypting data by master key and key specific to authorized devices(private key and prime number) see Fig. 6 item 515, 520, 530 & Col 10 Ln 48- Col 11 Ln 25. But, Aucsmith does not disclose the

transmitter transmitting to receivers key block containing device key and some entries containing authorization key encrypted with the device key. However, Marino discloses the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key see Fig. 3 item 30, Fig. 4 item (B) & Col 1 Ln 63-66 & Col 9 Ln 49-58. It would be obvious to one having ordinary skill in the art at the time of the invention to include the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key in the invention of Aucsmith in order to have an secure system whereby only authorized and selected receiver can decrypt the messages in as taught in Marino see Col 7 Ln 57-65.

10. Regarding Claim 2, 10, Aucsmith discloses the set of device keys specific to receivers being unique to the receiver see Col 12 Ln 8-24.
11. Regarding Claim 4, 12, Aucsmith discloses the re-enabling of reception of previously disabled reception by changing key and associated device keys see Col 13 Ln 30-49.
12. Regarding Claim 3, 5, 11, 13 Aucsmith discloses the disabling of decryptors see Col 11 Ln 26-32; and further of disabling of reception see Col 11 Ln 44-49 & Fig. 5 item 525 & replacement(renewing) and revocation of keys see Col 12 Ln 13-38.

13. Regarding Claim 6, 14, Aucsmith discloses the broadcasting in real time see Col 6 Ln 55-64.

14. Regarding Claim 7, Aucsmith does not disclose the transmitter transmitting to receivers key block containing device key and some entries containing authorization key encrypted with the device key. However, Marino discloses the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key see Fig. 3 item 30, Fig. 4 item (B) & Col 1 Ln 63-66 & Col 9 Ln 49-58. It would be obvious to one having ordinary skill in the art at the time of the invention to include the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key in the invention of Aucsmith in order to have an secure system whereby only authorized and selected receiver can decrypt the messages in as taught in Marino see Col 7 Ln 57-65.

15. Regarding Claim 8, 16, Aucsmith discloses the receiving of key block and encrypted data see Col 10 Ln 52-61 & Col 10 Ln 62-66; first and second decryptors for decrypting using master key and authorized keys specific to receivers(private key and prime) see Fig. 6 item 515, 520, 530 & Col 10 Ln 48- Col 11 Ln 25.

16. Regarding Claim 9, 15, Aucsmith discloses the transmitter and plurality of receivers coupled via network see Fig. 3 item G; transmitter transmitting data encrypted under the master key and private key see Col 10 Ln 48-61; receiver for decrypting data using master key and authorized device key(private key and prime) see Fig. 6 item 515, 520, 530 & Col 10 Ln 48- Col 11 Ln 25. Aucsmith does not disclose the transmitter transmitting to receivers key block containing device key and some entries containing authorization key encrypted with the device key. However, Marino discloses the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key see Fig. 3 item 30, Fig. 4 item (B) & Col 1 Ln 63-66 & Col 9 Ln 49-58. It would be obvious to one having ordinary skill in the art at the time of the invention to include the transmitter broadcasting to receivers key block containing device key and some entries containing authorization key encrypted with the device key in the invention of Aucsmith in order to have an secure system whereby only authorized and selected receiver can decrypt the messages in as taught in Marino see Col 7 Ln 57-65.

17. Regarding Claim 17, 19, Aucsmith discloses the key block corresponding to a subset of different device keys see Col 10 Ln 26-47.

18. Regarding Claim 18, 20, Aucsmith discloses the receivers using first decryptor and key block to retrieve authorization key see Fig. 6 item 510, 515, 530.

Conclusion

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U.S. Patent 5,999,623 to Bowman et al.

U.S. Patent 6,167,137 to Marino et al.

20. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

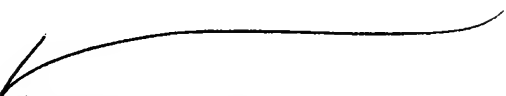
21. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR

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system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Venkatanarayanan Perungavoor
Examiner
Art Unit 2132

vp
12/22/2005



THOMAS R. PEESO
PRIMARY EXAMINER